

Abarna_day76

```
#include <stdio.h>
#include <stdlib.h>

int compare(const void *a, const void *b) {
    return (*(int *)a - *(int *)b);
}

int maxSteps(int N, int K, int C, int *arr) {
    qsort(arr, N, sizeof(int), compare);
    int steps = 0;

    for (int i = 0; i <= N - K; ) {
        int valid = 1;
        for (int j = 1; j < K; j++) {
            if (arr[i + j] < arr[i + j - 1] * C) {
                valid = 0;
                break;
            }
        }

        if (valid) {
            steps++;
            i += K;
        } else {
            i++;
        }
    }

    return steps;
}

int main() {
    int T;
    scanf("%d", &T);

    while (T--) {
        int N, K, C;
        scanf("%d %d %d", &N, &K, &C);

        int arr[N];
        for (int i = 0; i < N; i++) {
            scanf("%d", &arr[i]);
        }

        printf("%d\n", maxSteps(N, K, C, arr));
    }
}
```

```
    return 0;  
}
```